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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/520,946DATE: 10/13/95  
TIME: 21:12:14

INPUT SET: S6642.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.  
OLIVE, DAVID M.

(ii) TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

(iii) NUMBER OF SEQUENCES: 160

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: MEDLEN & CARROLL  
(B) STREET: 220 MONTGOMERY STREET, SUITE 2200  
(C) CITY: SAN FRANCISCO  
(D) STATE: CALIFORNIA  
(E) COUNTRY: UNITED STATES OF AMERICA  
(F) ZIP: 94104

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: CARROLL, PETER G.  
(B) REGISTRATION NUMBER: 32,837  
(C) REFERENCE/DOCKET NUMBER: FORS-01756

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (415) 705-8410  
(B) TELEFAX: (415) 397-8338

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 2506 base pairs  
(B) TYPE: nucleic acid

ENTERED

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/520,946DATE: 10/13/95  
TIME: 21:12:16

INPUT SET: S6642.raw

47 (C) STRANDEDNESS: double  
48 (D) TOPOLOGY: linear  
49  
50 (ii) MOLECULE TYPE: DNA (genomic)  
51  
52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
53  
54 ATGAGGGGGA TGCTGCCCCCT CTTTGAGCCC AAGGGCCGGG TCCTCCTGGT GGACGGCCAC 60  
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56 CACCTGGCCT ACCGCACCTT CCACGCCCTG AAGGGCCTCA CCACCAGCCG GGGGAGCCG 120  
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58 GTGCAGGCGG TCTACGGCTT CGCCAAGAGC CTCCTCAAGG CCCTCAAGGA GGACGGGGAC 180  
59  
60 GCGGTGATCG TGGTCTTTGA CGCCAAGGCC CCCTCCTTCC GCCACGAGGC CTACGGGGGG 240  
61  
62 TACAAGGCGG GCCGGGCCCC CACGCCGGAG GACTTTCCCC GGCAACTCGC CCTCATCAAG 300  
63  
64 GAGCTGGTGG ACCTCCTGGG GCTGGCGCGC CTCGAGGTCC CGGGCTACGA GGCGGACGAC 360  
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66 GTCCTGGCCA GCCTGGCCAA GAAGGCGGAA AAGGAGGGCT ACGAGGTCCG CATCCTCACC 420  
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68 GCCGACAAAG ACCTTTACCA GCTCCTTTCC GACCGCATCC ACGTCCTCCA CCCCAGGGG 480  
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70 TACCTCATCA CCCC GGCCCTG GCTTTGGGAA AAGTACGGCC TGAGGCCCGA CCAGTGGGCC 540  
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72 GACTACCGGG CCCTGACCGG GGACGAGTCC GACAACCTTC CCGGGGTCAA GGCATCGGG 600  
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74 GAGAAGACGG CGAGGAAGCT TCTGGAGGAG TGGGGGAGCC TGGAAGCCCT CCTCAAGAAC 660  
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76 CTGGACCGGC TGAAGCCCGC CATCCGGGAG AAGATCCTGG CCCACATGGA CGATCTGAAG 720  
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78 CTCTCCTGGG ACCTGGCCAA GGTGCGCACC GACCTGCCCC TGGAGGTGGA CTTGCCCCAA 780  
79  
80 AGGCGGGAGC CCGACCGGGA GAGGCTTAGG GCCTTTCTGG AGAGGCTTGA GTTTGGCAGC 840  
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82 CTCCTCCACG AGTTCGGCCT TCTGGAAAGC CCCAAGGCCC TGGAGGAGGC CCCCTGGCCC 900  
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84 CCGCCGGAAG GGGCCTTCGT GGGCTTTGTG CTTTCCCGCA AGGAGCCCAT GTGGGCCGAT 960  
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88 GCCCTCAGGG ACCTGAAGGA GGCGCGGGGG CTTCTCGCCA AAGACCTGAG CGTTCTGGCC 1080  
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94 GAGGCGGGGG AGCGGGCCGC CCTTTCCGAG AGGCTCTTCG CCAACCTGTG GGGGAGGCTT 1260  
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96 GAGGGGGAGG AGAGGCTCCT TTGGCTTTAC CGGGAGGTGG AGAGGCCCTT TTCCGCTGTC 1320  
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98 CTGGCCACAC TGGAGGCCAC GGGGGTGCGC CTGGACGTGG CCTATCTCAG GGCCTTGTC 1380  
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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/520,946DATE: 10/13/95  
TIME: 21:12:19

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104	CCCGCCATCG GCAAGACGGA GAAGACCGGC AAGCGCTCCA CCAGCGCCGC CGTCCGAG	1560
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106	GCCCTCCGCG AGGCCACCC CATCGTGGAG AAGATCCTGC AGTACCGGGA GCTCACCAG	1620
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108	CTGAAGAGCA CCTACATTGA CCCCTTGCCG GACCTCATCC ACCCCAGGAC GGGCCGCCTC	1680
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110	CACACCCGCT TCAACCAGAC GGCCACGGCC ACGGGCAGGC TAAGTAGCTC CGATCCCAAC	1740
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114	GAGGAGGGGT GGCTATTGGT GGCCCTGGAC TATAGCCAGA TAGAGCTCAG GGTGCTGGCC	1860
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116	CACCTCTCCG GCGACGAGAA CCTGATCCGG GTCTTCCAGG AGGGGCGGGA CATCCACACG	1920
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119		
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121		
122	GAGCTAGCCA TCCCTTACGA GGAGGCCAG GCCTTCATTG AGCGCTACTT TCAGAGCTTC	2100
123		
124	CCCAAGGTGC GGGCCTGGAT TGAGAAGACC CTGGAGGAGG GCAGGAGGCG GGGGTACGTG	2160
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126	GAGACCCTCT TCGGCCGCG CCGCTACGTG CCAGACCTAG AGGCCCGGGT GAAGAGCGTG	2220
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139		
140	(i) SEQUENCE CHARACTERISTICS:	
141	(A) LENGTH: 2496 base pairs	
142	(B) TYPE: nucleic acid	
143	(C) STRANDEDNESS: double	
144	(D) TOPOLOGY: linear	
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146	(ii) MOLECULE TYPE: DNA (genomic)	
147		
148	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
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166	CTGATCACCC	CGGCGTGGCT	TTACGAGAAG	TACGGCCTGC	GCCCGGAGCA	GTGGGTGGAC	540
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168	TACCGGGCCC	TGGCGGGGGA	CCCCTCGGAT	AACATCCCCG	GGGTGAAGGG	CATCGGGGAG	600
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194	GCCCGGATGG	AGGCCACGGG	GGTCCGGCTG	GACGTGGCCT	ACCTCCAGGC	CCTCTCCCTG	1380
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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/520,946DATE: 10/13/95  
TIME: 21:12:25

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214 ACCGCCAGCT GGATGTTCCG CGTTTCCCCC GAAGGGGTAG ACCCTCTGAT GCGCCGGGCG 1980  
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234 (2) INFORMATION FOR SEQ ID NO:3:  
235  
236 (i) SEQUENCE CHARACTERISTICS:  
237 (A) LENGTH: 2504 base pairs  
238 (B) TYPE: nucleic acid  
239 (C) STRANDEDNESS: double  
240 (D) TOPOLOGY: linear  
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242 (ii) MOLECULE TYPE: DNA (genomic)  
243  
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
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